Amendments to the Specification

Please replace the paragraph beginning at page 22, line 18, with the following rewritten paragraph:

After Wistar rats (male, 300g) were put under anesthesia by intraperitoneal injection of Nembutal. Catheters (e.g., means for taking blood) were inserted into the carotid artery and the jugular vein. A hemoglobin-vesicle suspension (hemoglobin concentration: 10 g/dL, 4 mL) added with Glucose (100 mM) was administered from the jugular vein at a speed of 1 mL/min. After 12 hours, 2 mL of blood was taken out from the carotid artery and loaded into a blood collecting tube (Terumo Corporation) having EDTA added in advance. The tube was subjected to centrifugal separation (e.g., means for isolating hemoglobin vesicles) at 2000 g for 10 minutes to obtain a hemoglobin-vesicle suspension as the supernatant. The blood-cell components of the lower layer were diluted with saline and directly administered to the rat through the jugular vein. In the hemoglobin-vesicle in the upper layer, 30% of hemoglobin was oxidized into methemoglobin. This methemoglobin vesicle was loaded into a quartz cell and bubbled (aerated) with nitrogen (e.g., means for removing oxygen). The quartz cell was irradiated with light having wavelength of about 365 nm to perform reduction (e.g., means for irradiating the hemoglobin vesicle). When deoxyhemoglobin (reduced-type hemoglobin) reached 95%, light irradiation was stopped. The deoxyhemoglobin was allowed to pass through a sterile filter of 0.45 μm pore diameter and administered to the rat through the jugular vein (e.g., means for returning the hemoglobin vesicle).

Please replace the Abstract on page 28, with the following rewritten Abstract: